

# Coagulyzer<sup>®</sup> 1, 2 and 4



Efficient solutions  
for your hemostasis  
laboratory



**Coagulyzer® 1****Coagulyzer® 2****Coagulyzer® 4**

<b>Measuring Unit</b>	1 measuring channel Controlled at 37.4°C ± 0.4°C 1 reagent position 4 cuvette positions	2 measuring channels Controlled at 37.4°C ± 0.4°C 4 reagent positions (1 stirred) 18 cuvette positions	4 measuring channels Controlled at 37.4°C ± 0.4°C 4 reagent positions (1 stirred) 16 cuvette positions
<b>Test Volume</b>	Micro cuvette for single use Min. 150 µl – max. 300 µl	Micro cuvette for single use Min. 150 µl – max. 300 µl	Micro cuvette for single use Min. 150 µl – max. 300 µl
<b>Features</b>	Editable reagent parameters 7 pre-programmed test positions Automated calculation of seconds, INR, %, g/l, mg/dl, Ratio Calibration curves editable up to 9 measuring points Automatic cuvette detection	15 freely editable test positions 7 pre-programmed test positions Automated calculation of seconds, INR, %, g/l, mg/dl, Ratio Calibration curves editable up to 9 measuring points Automatic cuvette detection Data transmission to SD-Card or external PC Internal printer	15 freely editable test positions 7 pre-programmed test positions Automated calculation of seconds, INR, %, g/l, mg/dl, Ratio Calibration curves editable up to 9 measuring points Automatic cuvette detection Data transmission to SD-Card or external PC Internal printer
<b>Interfaces</b>	1 x RS232C	ChipCARD® reader SD-Card reader 1 x RS232C, 1 x USB	ChipCARD® reader SD-Card reader 1 x RS232C, 1 x USB
<b>Technical Data</b>	Power supply 100 V–240 V, 47–63 Hz, 260 mA Output: 12 VDC ±0.8 A Weight: 0.7 Kg Dim.: 16.6 x 17.5 x 8 cm (WxDxH)	115/230 V, 50/60 Hz switchable Weight: 3.9 Kg Dim.: 35.1 x 25.9 x 7.3 cm (WxDxH)	115/230 V, 50/60 Hz switchable Weight: 3.9 Kg Dim.: 35.1 x 25.9 x 7.3 cm (WxDxH)
<b>Options</b>	Connection to an external printer (recommended Seiko Epson DPU-414)	External printer connectable	External printer connectable

## Coagulation

The family of Coagulyzer® instruments provides flexible solutions for your hemostasis laboratory. The line offers a 1-, 2- and 4-channel analyzer as well as a fully automated system, covering the low- to mid-volume laboratories. The four analyzers combine the advantages of mechanical and photo-optical clot detection in the turbodensitometric measuring

principle. All instruments are compact stand-alone systems which have been designed with a clear focus on being user friendly, reliable and cost effective. For the routine assays PT, APTT, TT, Thrombin Time and Fibrinogen Analyticon offers a complete system with reagents, controls and calibrators. Further tests can easily be adapted to the coagulation analyzers.

For the usage of the Coagnos<sup>®</sup> reagents on Coagulyzer<sup>®</sup> 1, 2, 4, the application of the systems must be adapted for further instructions. Please contact us.

Determination	Art.-No.	Short information	Kit size
<b>Coagnos<sup>®</sup> PT</b> Clot based assay	<b>CG0301</b> <b>CG0302</b>	Liquid stable, rabbit brain tissue factor, ISI value included	10x2 ml 10x4 ml
<b>Coagnos<sup>®</sup> APTT</b> Clot based assay	<b>CG0305</b> <b>CG0306</b>	Liquid stable, Silica activator, CaCl <sub>2</sub> included in kit	10x2 + 10x2 ml 10x4 + 10x4 ml
<b>Coagnos<sup>®</sup> Fibrinogen</b> Clot based assay	<b>CG0310</b>	Thrombin: 100 NIH/ml concentrate, calibrator included in kit	5x2 + 2x1 + 2x25 + 2x5 ml
<b>Coagnos<sup>®</sup> Thrombin Time</b> Clot based assay	<b>CG0311</b>	Bovine thrombin, < 10 NIH units/ml, lyophilized	10x2 ml

  

Controls & Calibrators	Art.-No.	Short information	Kit size
<b>Coagnos<sup>®</sup> Routine Control N</b>	<b>CG0351</b>	Human plasma, lyophilized	10x1 ml
<b>Coagnos<sup>®</sup> Routine Control P</b>	<b>CG0352</b>	Human plasma, lyophilized	10x1 ml
<b>Coagnos<sup>®</sup> Calibration Plasma*</b>	<b>CG0370</b>	Pool of citrated plasma, lyophilized	10x1 ml
<b>Coagnos<sup>®</sup> PT Calibration Plasma*</b>	<b>CG0371</b>	PT calibrant plasma 1–4, lyophilized	4x1 ml

\* can be used for the calibration of Coagnos<sup>®</sup> Fibrinogen



Coagnos <sup>®</sup> coagulation parameter	Controls		Calibrators	
	Coagnos <sup>®</sup> Routine Control N	Coagnos <sup>®</sup> Routine Control P	Coagnos <sup>®</sup> Calibration Plasma	Coagnos <sup>®</sup> PT Calibration Plasma
Coagnos <sup>®</sup> PT	■	■		■
Coagnos <sup>®</sup> APTT <sup>1)</sup>	■	■	n.a.	
Coagnos <sup>®</sup> Fibrinogen <sup>2)</sup>	■	■	■	
Coagnos <sup>®</sup> Thrombin Time <sup>1)</sup>	■	■	n.a.	

<sup>1)</sup> no calibrator necessary

<sup>2)</sup> Fibrinogen calibrator included in the kit

**The Coagulyzer line – Efficient solutions for your hemostasis laboratory**

The family of semi-automated Coagulyzer instruments are designed for the low volume to mid volume labs. They combine the advantages of mechanical and photo-optical clot detection in the turbodensitometric principle.

**Reliable and accurate**

- Results are automatically calculated in seconds, %, INR, mg/dl or g/l and ratio
- Temperature controlled incubation block at 37.4 °C
- Sample mixing by magnetic stir bar during measurement
- Errors due to external light influence are excluded by the use of light protection caps

**Efficient and affordable**

- Memory function for reference curves

- Ideal back-up solutions for the fully-automated Coagulyzer® Auto Pro

**Agile and easy-to-use**

- Automated cuvette detection and automated start function
- Easy-to-use and straightforward operation via a membrane keypad
- Pre-programmed methods for PT, APTT, Thrombin Time and Fibrinogen

**Measuring Principle**

- Turbodensitometric with automated start function
- Opto-mechanical principle with automatic zero adjustment and magnetic stirrer that homogenizes the test suspension and increases the sensitivity



Determination	Art.-No.	Short information	Kit size
<b>PT recombinant</b> Prothrombin Time	<b>CG0012</b>	(ISI ~ 1.0), liquid stable	10x2 ml - 200 tests
	<b>CG0013</b>	Human recombinant tissue factor	10x4 ml - 400 tests
<b>APTT</b> Activated Partial Thromboplastin Time	<b>CG0021</b>	Soy phospholipids, liquid stable	10x2 ml - 400 tests
	<b>CG0022</b>	additionally required: calcium chloride	10x4 ml - 800 tests
<b>Calcium Chloride</b> for determination of APTT	<b>CG0024</b>	0.025 M calcium chloride	10x4 ml - 800 tests
<b>Fibrinogen Kit</b> Clauss Method	<b>CG0030</b>	quantitative, lyophilized	5x2 + 4x25 + 1x11 ml - 200 tests
Controls & Calibrators	Art.-No.	Short information	Kit size
<b>Control Plasma N</b>	<b>CG0081</b>	normal range, lyophilized	10x1 ml - 200 tests
<b>Control Plasma P</b>	<b>CG0082</b>	abnormal range, lyophilized	10x1 ml - 200 tests
<b>Standard Plasma</b>	<b>CG0090</b>	PT, Fibrinogen, lyophilized	10x1 ml - 200 tests
Consumables	Art.-No.		Kit size
<b>Cuvettes</b>	<b>CG0451</b>		5x100 prefilled with mixer
<b>Cuvettes</b>	<b>CG0452</b>		1x500 separate mixers
<b>Cuvettes</b>	<b>CG0454</b>		5x500 separate mixers
<b>Teflon Mixer</b> for reagents	<b>CG0118</b>		10 pcs

Distributor information



**Analyticon Biotechnologies AG**

Am Muehlenberg 10  
35104 Lichtenfels - Germany  
Phone: +49 6454 7991-0  
info@analyticon-diagnostics.com  
www.analyticon-diagnostics.com